

Compare and Contrast

Mitosis and Meiosis (I and II)

Characteristic	Mitosis	Meiosis I	Meiosis II
Types of Cells	Somatic (body)	Germline (reproductive) AKA gametes	Germline (reproductive) AKA gametes
Crossing Over	No	Yes (Prophase I)	No
Anaphase	Sister chromatids split	Homologous chromosomes split	Sister chromatids split
# of Daughter Cells Produced	2	2	4
# of Chromosomes at End	2n (diploid) single	n (haploid) replicated sister chromatids	n (haploid) single
Are Daughter Cells Identical?	Yes	No	No